

Title (en)  
IMAGE VERIFICATION APPARATUS

Title (de)  
BILDPRÜFUNGSVORRICHTUNG

Title (fr)  
APPAREIL DE VÉRIFICATION D'IMAGE

Publication  
**EP 2639762 A1 20130918 (EN)**

Application  
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Abstract (en)  
A feature-point matching unit calculates a first matching score between first and second biological patterns, based on: first and second feature-point data indicating first and second feature-point sets of first and second ridge patterns included in first and second images of first and second biological patterns respectively, and generates a corresponding feature-point list by extracting a corresponding feature-point set being a set of corresponding feature-points between the first and second feature point sets. A non-linear image conversion unit performs a first non-linear conversion making the first image approximate to the second based on the corresponding feature-point list. A feature point matching unit calculates a second matching score between the first and second biological patterns based on the first image after the first non-linear image conversion and the second. A high matching accuracy is achieved in fingerprint or palmprint matching using a low-quality image.

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Citation (search report)  
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Cited by  
CN104616297A

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